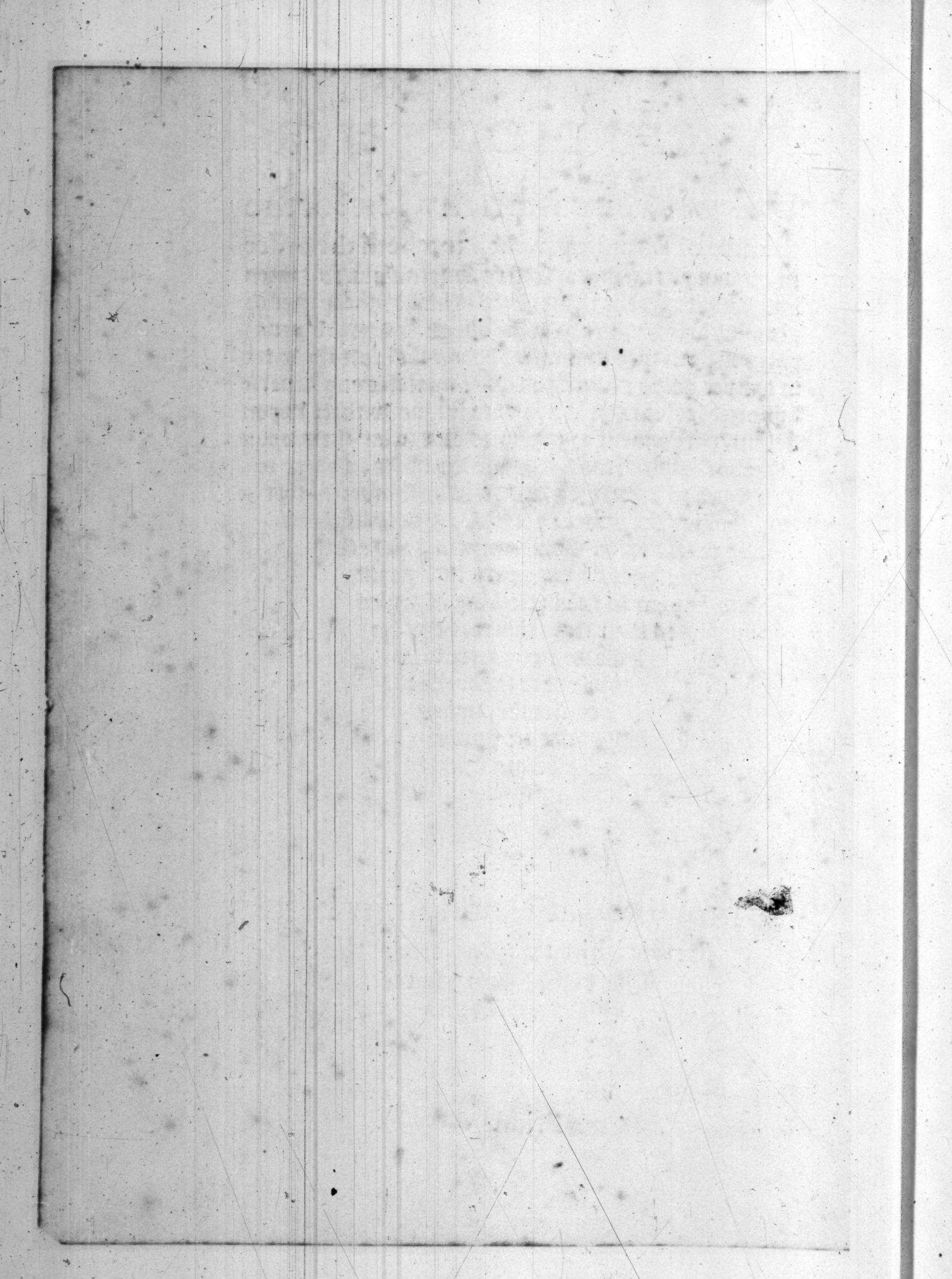


A very proper treatise, wherein is briefly sett forth
the arte of Limming, which teacheth the order
in drawing & tracing of letters, bines, flowers, armes
and Imagery, & the maner how to make sundry sises or
grounds to laye siluer or golde vpon, and how siluer or
golde shalbe layed or limmed vpon the sise, & the waye
to temper golde & siluer and other mettals and diverse
kyndes of colours to write or to limme withall vpon
velym, parchment or paper, & howe to lay them vpon
the worke which thou entendest to make, & howe to
vernish yt when thou hast done, with diverse other
thinges very mete & necessary to be knowynge
to all suche Gentlemanne, and other
persones as doe delite in limming,
painting or in tricking of armes
in their right colo:rs, & therfor
a worke very mete to be
adioined to the booke
of Armes, never
put in printe
before this
time.
(:)

Imprinted at London in Flete
strete within temple Barre at the
signe of the Vande & Starre
by Richard Tottill,
An. 1573.

Cum Priuilegio.



The arte of limming. Fol. ij.

The order of drawing or tracing.



First thou shalte with a pencell of blacke lead, or with a cole made sharpe at the poynte trace all thy letters, and sett thy binetts or flowres, and then thy imagery yf þ wilt make any. And þe shalt thou w a small pen drawe al þ basse portred, þe make thy sise on this wise

To make a dooble syse or bottome to laye or settle siluer or goulde vpon called an embossed ground.

Take bennys ceruse, white lead, the plastrer of an old image or chalke, any of thease made in fine poulder, and þe ground with the glayre of an egge and a little water on a painters stone maketh a good bottome to laye vnder siluer. But when you shall vse any of them to laye vnder goldr, doe so þt a little saffron therewith to make þt some what yellow. But beware you put not to much wa- ter thereto, for then will þt be ouer weake, and yf you doe ouermuch glayre to þt, then will þt be ouer stiffe, thereso- minge it after discretion, and looke thy sise be thicke stan ding, and sett the sise thus tempered & couered in a horne or a shell in some seller or shadowyd place, or vnder the earthe where it maye stand moyste by the space of viij. daies vntill it be perfecte clammy & rotten, & euerye daye once stirre it about, & you shall wel understand that al the sises the elder they be & the more clammy, & rotten they be, the better they be, for all the crafte is in well making & tem pering of the sise, and if there stand any belles vpon the sise, put in eare ware, for it ys a remedy therfore, and besoþe þou laye it on your woþke, first lay the sise on a scroþe

A. g. and d. y.

The arte of limming.

and drye it, and when it is drye, bend it, and if it bend, & breake not, then is it good and perfecte, & if it breake put thereto a litle water to make it weaker, and prone if it cleueth fast to the booke, & if it do not, then put glaire there to, and make it moze stedfast. The like sise maye you make with Cipsum boole Armoniak, red or yellow oke or piment or masticot with browne of Spaine or with red leade if euerye of them be ground by hym selfe & tempred and ordred in maner & forme abone witten.

¶ To make a thinne sise or bottome to laye or settle siluer or golde vpon called a sngle grunde.

Take the newe sheds of glouers leather or of newe parchement so that is best, and seeth them in faire wafer from a quarte to a pinte that the liquor be somewhat thicke and clammie betwene your fingers, then straine the liquor from the sheds, and put it being hote in some stonye vessell and soe worke it furth before it be colde, and when you laye on your siluer or golde, see that your syse be nether to moiste nor to drye, but in a meane betwene both so dredge of appayring your worke. The like sise maye you make (without heating them at the fyre) of glue wafer made of parchement glue so that is best, or with water gumed somewhat thick with guimme arabecke or of good olde glaire, or with the milke of grene fygges alone, or with the milke of spourge, or of wartwede, or with the yellowe milke of grene salendine, or with the iuse of garlike or of onyon heades or with the water and grease of snalles. Vpon every of these maye you laye your leauers of siluer or golde havinge regarde that your grunde be nether to moiste nor to drye, when you shall laye or settle the same therevpon.

¶ To laye a dooble syse on letters or vpon other thinges.

You

The arte of limming. Fol iij

Du shall with a pencell made of graye amys or cali-
ber tailes laye on thy syse somewhat substantially or if
thou wylt first chynne and after thicker, and then drye it, &
whē it is drye wet it lightly with thy spetle, & then shane
it with a sharpe knife vntill it be even without hilcs, and
yf there fall any default therein, or else there is more in
one place then in another, laye againe thy sise on it, and
drye it & engrosse it as is saide before & whē it is engrossed
& made plaine the burnishe it with the toothe of a calfe, of
an ore, or of an horse that is made therfore standing in a
crooked sticke, and when it is burnished and made even
and shining, then is it readye to laye on it thy golde or
& thy siluer.

To laye golde or siluer on sise.

Firste cut the leaves of golde or siluer in peces with a
sharpe knife or a knife made of a great reede vpon a
little boorde as broade as a trencher concret with a caluc
skin raysed or vnderstuffed with wolle or silke or else vns-
tuffed, then shalt thou with a pencell wette lightly on
thy mouthe welle thy syse, so it be a litle moyste, and then
wette thy pencell again in thy mouthe on the same wise,
and touche thy golde or siluer that thou haste cut by a co-
ner lightlye, and laye it on thy sise, before made a litle
moyste, and then then shalt take the talle of an hare, of a
conney or a pere of cotten & lightlye presse it downe on thy
sise, & when thou haste thus done let it drye vntill it be wel-
dryed, then burnishe it: for if thou shalt burnishe it wett
thou shalt rubbe of all, and when it is well dryed, take
the culke that thou doole burnishe with and drye it & beat
it well on thy cheke, then burnishe thy golde first softly,
and then harder vntill it shine, but burnishe it not ouer-
longe, for dryade of apparinge. And when thou haste
well burnished it, then take a white wollen clothe or an

A.ij. bares

The arte of limming.

hares foote, and rub all awaye, save it which cleueth to
the sise, & if ther be any place saltie, so that the golde faile
soz dynges of the syse, then wette it againe and lape on the
golde, & dye it and burnish it as you did before.

To make gumme water to temper colours withall.

Take cleane water, & do it in a bessell & put thereto a poy-
son of gume Arabecke & let it stand vntill the gume be
well desolued & molten in the water, but looke it be not
over thicke of gume, for then it is evill to worke with, &
if it be to thinne of gume then will the colour fade & fall
of, therfore kepe a meane & temper thy coloures therew,
such as it serueth soz best. Note the best gume is clere and
brittle y in stamping it, it becometh powder easely without
clouting togither.

Nota.

To make glaire for the like purpose.

Take the whyte of newe laidre egges as many as you
thinke good, and straine them throught a linnen clothe
to take out the cocke treadings, then put them in a dish
and wringe ihē through a sponge or a white wolle clothe
vntill they be as thinne as water, then washe the sponge
or clothe & dye it. And put the glaire to thuse aforesaide in
a stone pot or a glasse faise stopped, and spend it as soone
as you can, for yt will not kepe aboue three dayes, but it
will haue an ill fanoze excepte they be ordered as foloweth.

To kepe whites of egges as longe as you wil without corrupting or putting of Arsenicke to them.

Take the whites of egges not breaking them in anye
wise, but take out the cocketreading, and put to them
as much of the bell whise vnsugge as shall suffice the qua-
lity of

The arte of limming. Fol. iij

site of the whites, leuine it so the space of two daies, then
passee it throughte some linnen clothe without breaking o;
beating the white of the egges leauinge it so the space of
vij. dayes, then straine it againe and put it in a biall well
stopped, to occupie for the purposes aboue written.

¶ To temper golde or siluer wherewith you
may write with a pen o; paints with
a pencell.

Take ffeue o; sixe leaues of beaten golde o; siluer, and Golde and
grinde them well & finely on a painters stone with a siluer.
little honnye, then put it into a glasse with a quanttie of
faire water, & let it stande one nighte, then draine the wa-
ter & the honnye afterwarde from the golde, & put to the
golde gume watter, & then write with it, and when it is
drye burnish it with an ore tooth, also if you grinde your
leaues of golde with glaire onely without honnye put-
ting to it you maye well write therewith in adding to it
a little gume water, & with your gold tempered in maner
abouesайде you maye diaper with a small pen o; pencell
vpon colours. If you will buye at the Potecaries shell
golde o; shell siluer, with the which (being tempered with
gume watter) you may verye well write with a pen, o;
painte with a pencell.

Diaper.
Shell golde
and shell sil-
uer.

¶ To temper azure or byze.

Grinde azure o; blize on a painters stone with cleene wa- Azure or
ter then put it in a broade glasse o; in a broade shell, & lighte blewe
when it hath staid a whille all the dregges will flete aboue, for armes.
and all the cleene colour will fall to the bottome, then
poure out the water with the dregges, & put the azur
in cleene water againe. Then sturre the colour & the wa-
ter together, & let it stande & fine, & after that pouse out the
water & the dregges againe, and doe thus vntill it be well
purged & clarified, for the Potecaries mininge chalke there-
with.

The arte of limming.

With to multiply it to there profit, but thus you muste do to clarifie it to the first kinde if nede be, the shal you grind it again vpon a painters stome with gummed water, the put it into a horne or a shell, and when you will write or painte. Then sturre it with a sticke, & let the sticke dropp into the pen, for vermelion & this colour will fall to the bottome & sincke as leade.

This false colour, Two parts azur and one of cereuse and sadded with the same azur or with blacke incke, or with Inde baudias.

¶ Howe to make azur and bize sadder yl they be of a lighte colour.

Take good blewe tournesoll & wet it in gummie water and then boare it, and with that water temper the azur or byze, or else yf thou wilt thou mayst with a pen tell drawe with thy tournesoll ouer the byze when it is dry whether it be vinet or imagery.

¶ To temper Inde baudias.

An Indian
blacke.

Kinde Inde baudias on a painters stome, with gume water, & put it in a shell to wo:ke with all.

This false colour, Two partes Inde, & the thirde yte white leade or cereuse and sadded with the same Inde or with sad Inke Inde baudias of it selfe maketh a darke & sad blacke, but being grounde with white leade or cereuse as is afore said it maketh a browne blewe.

¶ To temper smalte or florrey.

Blewe co.
lour.

Smalte or florrey being tempered in a shell with gume water maketh a blewe, but not so perfecte a colour as azur or byze dothe make. The poticaries doe put to it oþre times fine sand or chalke to multiply it to there profit, there

The arte of limming. Fol. v.

fit. Therefore in chusing of it, take that which is bright
of colour, and not harsh, but softe betwene the fingers.

¶ To temper Orpiment or Masticot for a yelowe.

Grynde O^rpiment and Masticot eche by it selfe on a
Painters stone with Gumme water, & in gryndinge
adde to the Masticot a little Saffron, and the colour wil
be the liuelier: and when they be wel ground, put them
seuerally in shelles to worke withal.

A gold yel-
lowe for ar-
mes.

O^rpiment may be elayed with Chalke, and dimmed,
that is to say, sadder, or darked with Oker de Luke, or
with Browne of Spaine.

¶ To temper Vermilion.

Grynde Vermilion on a Painters stone, firste drype,
& thereto a litle glaze of egges, & grinde it a. A Vermeliō
gaine, vntill the brightness be sondonne, with a litle of redde for
the yelke, and let it stand a day or moore, vntill it be wel armes.
syned. And when thou dost worke therewith, stirre it
well together, and if it be thicke as lyme, doe a litle wa-
ter thereto: and if it shall haue an ill sauour, then put
into it three chyues of Saffron, and it will take away
the euil sente.

This false colour, two parts Vermilion, and the third
parte Cerius, and mingle them together, if thou wilt,
with the same vermelion.

¶ To temper Turnesoll.

We^tte Turnesoll once or twice, in good thinne glere Turnesoll.
and let it lye therein vntill it be well steeped. Then
boringe it into a dishe, vntill the colour be good & sadde.
With this you may flore the redde letters, or brestures.

B. i. And

The arte of limming.

And this colour shalbe enewed (that is to say) darked or
ladded with blacke ynke.

This false colour, two partes Turnesoll, & one of Cer-
tius, and it shal be ladded with the same Turnesoll.

¶ To temper good Roset.

Roset color Take the fynest & besste coloured Roset, and grinde it
with gumme water on a Painters stone, & so worke
it forth. This colour may be elayed with chalke or Cer-
tius, and ladded with hym selfe.

¶ To temper Brasill wherewith to write, florisse, or rule bookeſ.

Brasill, Take Brasil finely scraped, or grossely beate to pou-
der, and put thereto the glayre of an egge, or gum-
me water, and a little Alam made in poulder, and lett
them steepe a night and a day: and then straine out the
liquor, and keepe it to the vse aforesaid.

¶ To temper good Synapour.

Bloudy
colour. Kind Synapour lake, & Synapour topes ech by hym
selfe on a Painters stone with good glayre. Then put
them in several shelles, & worke them forth: and if they
be too light, put to them a little Turnesoll.

This false colour two partes Synapour, and a thirde
of Certius, and laye it on thy Winettes, and when it is
drye, ladde it with good Synapour, and diaper ouer it
with white Certius.

¶ To temper redde Leade.

Redd leade Kynde redde Leade well with gumme water, and
then put it in a shell: and when you worke with it,
stirre

The arte of limming. Fo. vi.

Stirre it as you doe Wermelion.

Of this you shal make no false color, but of him selfe,
and sadde it with Synapour, or with good Browne of
Spaine, or with light blacke, or with Wermelion.

To temper blacke Leade.

Grinde well blacke Leade with gumme water on a Crane co-
Painters stone, and then put it in a shel to worke lour.
withal. This is a perfite Crane colour of it selfe.

To temper Browne of Spaine.

Kind good Browne w^t gumme water on a Painters
stone, & when it is very wel ground put it into a shel. Browne
His false color two parts Browne, & the third part of
white Leade, & sadded with y same sad color of browne. colour.

To temper Oker de Luke & Oker de Rouse, which make browne colours.

Oker de Luke, and Oker de Rouse shal firste be seuer-
rally broken in a brasenmorter, & after ground eche
by him selfe on a Painters stone with gumme water, &
mired with a little Chalke, and cnewed or sadded with
good Oker, or with Browne, either of them maketh a
good colour for heare on heades, or on beardes.

Goodco-
lours for
heare.

To temper greene Byze-

Take greene Byze that is soft, and not harshly between
the fingers, for if it be harshe, it is merte with sande,
whiche the Apothecaries do vse oftentimes to multiply
it to their gaine. And temper it in a shel with gumme
water, and it wilbe perfite to worke withall. And when
you write, stirre this colour as you do Azure, and wash
it, and dress it in forme aforesaide: as you doe yours
Azure, before you grinde it w^t gumme water.

Greene
Byze.

B. ij.

To

The arte of limming.

To temper Vertgrese, called Spanishe greene.

An Eme
raud greene
for armes.

Ake Vertgrese well cleansed and piked from drosse
and motes, and grynde it on a Painters stone first
drye, and put thereto a litle of the gall of a Peate, &
of the ioyce of Rue, with a litle Safron, & braye all these
together on the same stone. Then put it in a horne, or
shelv vntil it be dry. And when you wil occupie it, take
part thereof and grinde it againe with vineger or ver-
gis, or with the piss of a yong childe, encry of them ha-
vinge gumme Arabike dissolved in them.

Light greene

This false colour two partes, good greene, & the third
of Cerius, and sadded with a good greene, and Diaper
over it with Vennis Cerius.

To temper Safron.

Saffron.

Stepe Safron in good glaze, and so worke it forthe
to a smal pensel. And if thou wilt thou maist encln it w
Good Wermelion, with Safron also you may encleve or
fornish ouer letters, or any other thing thou wilt.

To temper Vennis Cerius, and white Leade.

A pure whit
Kynde Cerius, or white Leade, eche by him selfe on
for armes.

a Painters stone, with cleare water, and therewith
thou shalt diaper and florisse aboue all thy colours with
a purselour made of a small pensell. And this colour is
tempered onely with water, or with water lightly cha-
sticed with gumme, for they stand aboue al other colo:z
that be gummed.

To make a Fume blacke called Sable.

A Sable or
blacke for
armes.

Ake a cleane Lattin bason, and holde a burnyng
torche vnder it, vntil the bottome be blacke: and then
take

The arte of limming. Fol. viij

take of that blacke, and temper it with glasse, or with
gumme water, and so worke with it.

To make an excellent blacke like Welmet.

Take Hertes horne, and burns it to cole on a Colliers A veluet
barth, then make fine powder thereof, and grinde it blacke.
on a Painters stome, with the gal of a Heate. Then put
it in a shel to drye in a shadowy place. And whē you wil
occupye the same, grynde parte thereof againe with the
glasse, or with gumme water: and worke it forthe.

To make a blacke colour, or an ynke of a good perfection, wherewith you may write with a penne or pensel.

Take a pounde and a halfe of rayne water, with three
vnces of the waightiest galles you can gette. Bruse Black ynke.
them in smal pieces, and poure them into the saide wa-
ter, and so let it stand two daies in the sunne. Then put
to it two vnces of greene Copozas, or els of Romayne
Wistral, whiche is besse, well coloured and beaten smal:
and stirre al these together with a sticke of hard woode,
and let it stande againe two daies more in the sunne,
puttinge to it one vnce of gumme Arabike, that is cleare
and bright, and beaten in poulder, and one vnce of the
peelles of Pomegranades, and then boyle al a little on a
slowe fire. That donne, straine it, and keepe it in a bes-
sell of leade or of glasse, and it will be very blacke and
perfite good ynke. And if you finde it thicke, and that it
bee not slowinge yernoughe, putt to it a little cleare lyc,
whiche will make it liquide and thinne. And if it be too
cleare, adde to it a little gumme Arabike. And to hane
your ynke to continue longe, and not to hore, put there-
in bay salte. Note that the galles must be smal curled,

15. vij.

Note
and

The arte of limming.

and massine within, if they be good. The good Vitrall
is allwaies within, of a color like the element. The best
gumme is cleare & brittle, that in stampinge it becom-
meth pulder easily, without cleaving together.

Nota

Thus is taughte the wye howe to temper Coulde,
Syluer, and Colours to lymme, or to write withall vpon
velym, parchement, or paper. That is to say, Vermelion,
Turkesoll, Synapour, and Saffron, with good glaze.
Soyle with glaze chaliced with a portion of water, A-
zure, Wyze, greene Wyze, red Leade, roset somalt, black
Leade, Brown, Oker, Drappment, Masticot, and Inde-
baudias with gumme water, Wertgresa with vineger,
vergys, or with the pisse of a yonge childe, Cerius and
white Leade, with cleare water, or with water lightly
gummed, Brasil, and sume blacke with glaze, or w
gumme water, whiche you thinke best for your purpose.

Nota.

Also there is an other wye which is vsed amongst þ
excellent sort of Painters, that is, to grind & teper al co-
lors for limming (saving such as be white) first w þ gall
of a Peate, & then let the dry, & after whē you wil work
them, take part therof, & grind it againe w glaze, or w
gumme water, as the colour requireth, and so worke it
forth. It is said, that water killeth & darkenth þ bright-
nes of most colors that be tempered therwith. But this
gal preserueth þ brightness, & maketh the more liuelier
to beholde: which thing expecience wil teach you mo:re
perfittly.

Nota.

Note þ al colours to limme or to write withal should
never be tempered with any kind of oyle, for oiles scruue
most aptly for to teper colors to lay vpon stone, timber,
yron, lead, copper, & such like. And oyle of Linseed, which
is called flax seed, & oyle of walnuts are most vsed, & be
most best of al other oyles for the same purpose.

Also al colors to limme or write withal whē they be
tepered, would be put in shelles, in vessels of stone, lead
or of glasse, & kept vnder þ grounde in some cellar, or in
some

The arte of limminge. Fo. viii

some moist or shadowy place, for dryng ouer fast: and y elder they be the better they be, if they be kept couered from filth & dust. And note y there is great regard to be had to y wel grinding & teping of the colours, & to the placing of them vpon the worke.

¶ The maner how to florishe or diaper with a pensel ouer siluer or goulde.

If you wil diaper ouer gold, take yellow Oker, & ther with draw ouer thy gold with a pensel what thou wilt. If thou wilt diaper vpo siluer, take Cerius w^t a pensel and draw or florish what thou wilt ouer thy siluer.

If thou wilt diaper with gould or siluer vpon colors, take the joyce of garlike, with a pensel drawe ouer thy colours what thou wilt. Then take and lay the gold vp on it, and presse it downe lightly with an Hares taple, & let it dry halse a day or more. Then rubbe of the golde which cleueth not to the garlike.

¶ The waies howe to make sundry kindes of colours by tempering & mingling of colors together.

If you will temper Azure with Turnesoll, and grinde Purple, or them together on a Painter's stone with gumme wa. Violet counter or glazze, you shal make thereof a perfitt purple or a lour for Violet colour. And the like colour you maye make with good redde Roset, if it be mingled with Azure, & tempered with gumme water in maner aforesaid.

If thou wilt put to a good quantity of Synapour, a liitle portion of blacke, & grinde them together in glazze, you shal make thereof a Sanguine, or a Murrey colour.

If you will mingle a bright redde with a bright yellow, and grinde them together with glazze, you shall have thereof an Orenge tawney.

If you mingle redde Lead and spassicot together, you shall haue thereof a Lyon tawney.

The arte of limming.

Incarnation and fleshly colour.	If you wil make incarnations or visages, or a fleshly colour for Images, firste lay on the white, and new it with vermelion, or els take two partes of Wermelion and one of Cereuse, and mingle them together, and so laye it on thy worke, and newe it if thou wilt, when it is dry with good Wermelion.
Peach color	Also if you mingle Wermelion with Cereuse, by discretion you may make thereof a Peache flowre colour.
Sky colour.	Also by mingling Wermelion and Azure together, by discretion you may make thereof a Skye colour.
Bloude red.	If you will make a bloude redde, take of the best Syrapour, and sadde it at the sides with Browne, or Wermelion, or with blacke.
Lincolne green.	If you mingle good greene and Saffron together, by discretion you shall haue thereof a perfite Lincolne green.
Popiniay green.	If you mingle Azure and Masticot together, you shal haue thereof a perfite Popiniay green.
Motley green.	If you mingle red with greene, you shal make thereof a Motley green.
Blacke ve- sture.	If you wil make a blacke vesture, take and laye firste a chame of light blacke mingled with white Leade, & sadded with good blacke.
Marble or ashe colour.	If you wil mingle blacke with a portion of white, you may make thereof a Marble, or an Ashe colour at your discretion.
Russet or sadd brown	If you will mingle a little portion of white with a good quantitie of redde, you may make thereof a Russet, or a sadd Browne, at your discretion.
Nota.	Thus by minglinge of colours, you may make them of sundrie colours, and by prouise you maie come to the perfite knowledge, howe to make them on the beste manner.

Note

The arte of limming. Fo. ix.

Nota.

To note furth ermore that thereris a certain colouring which is called Vernix that is more noble and excellēt than all other colours. And so much the more excellent in that it is set aboue all colours. And as the daye becometh more light and brighter by the shining of þe sunne even so all colours that are vernished do shewe furth a better glōsse or luster, and become more brighter by the shyning of the same. And it is made in maner & forme following.

To make a kynde of colouring called Vernix where with you may vernish golde, silver, or any other colour or paintinges, be it upon b
yrm, paper, tynber, stonc, leade, copper, glasse &c.

Take Bengewyn & bray it well betwixt two papers. Then put it in a byall & pouer vpon it good Aquavite that it be aboue the Bengewyne thre or four syngers, and let it steepe so a day or two. Then put to it so halle a byoll of such Aquavite, syue or lire chyses of Daſtron silvērly stamped. This done strayne it, & with a pencl vernish therwith any thing gilded which will become bright & shyring dryng it selfe immediatly, and so wil continue the brightness many peres. But if you will vernish on Silver, then take the almon of Bengewyne, that is to saye the white that is founde in the middest of Bengewyne, and dresse it with Aquavite in the soresaid maner, leaving out the Daſtron. And the saide vernishe made with Bengewyne & Aquavite onely is very good to vernishe all thinges as wel paynted as not painted, for it maketh tables & coffers of wal nuttree & hebeny to glister if it be laide vpon them, and all other lyke thinges, as woorkes of Iron, copper or tynne, gilded or not gilded, for it maketh bright, preserueth, aydeth the colour & dryeth incontinent wþout

C. i. taking.

The arte of limming.

taking any dust or sylth, you may make it cleane wþtþ
a lynnen cloth or wþtþ wyrping the woþke wþtþ a ffor
taple þe whiche is better.

To make vernix another way for the purposes aforesaid.

Take two vnce^s of harde mastike and stamp it, & putt
it into a little newe pot, and so melt it on a soft fire,
this done, putt to it one vnce of the oyle of a fyre
tree, and so let them boyle a little euermore stirring
them together, but let it boyle almost nothing, for if it
boyle too much the vernish wil bee too clammy, and to
knowe when it is boyled enough, putt into it a hennes
fether, & if it burne by & by, it is a signe that it is pfect.
Then take it from the fyre, & put it into a stonye pott, &
kepe it well from dust: and when you will occupye it,
take so much therof as will serue your tourne, & heat it
a lytle at the fyre, then spread it vpon your woþke wþ
a pencel as thin as you may, & it shall haue a verye faire
glosse or luster, & it will dry incontinent if you shal sett
it in the sonne.

To make colours of all kynd of mettalles.

Take a beade of Chrystall or a Paragon stone^s beats
ethe of them by hym selfe in a brasen morter to syne
poulder, then grynde them drye eth by hym selfe on a
painters stonye vntill the poulder be very syne & small,
then grynde them again on the same stonye eth by hym
selfe wþtþ good glazre and lay some one of them on the
woþke wþtþ a penne or a pencell, and when it is well
dryed, then rub it ouer wþtþ golde, or wþtþ anye other
mettal, and you shall haue the same colour that the
mettal is of.

To

The arte of limming. Fo.x.

¶ To make letters of the colour of gould
wythout gould.

Take one vnce of Drappement and one vnce of syne
Chrystall, and beate eche of them by hym selfe to
pouder in a brasen morter. Then grynde them wel to
gether wyth glazze vpon a paynters stone, then it ys
perfect to write withall.

¶ To make letters of the colour of siluer
wythout siluer.

Take an vnce of tynne, two vnces of quicke siluer,
and melt them togethet; then grynde them well
on a paynters stone wyth gumme water, and wryte
with it.

¶ To make white letters in a blacke
fielde.

Take the yelke of a newe layde egge and grynde it
upon a paynters stone with faire water, so as you
may well write with it out of a penne, and when you
hane so done, you may with the same liquo: drawe or
wryte with a penne great or small letter vpon paper or
parchement, and when they be dry, then may you with
Inke black ouer the letters and paper so muche as you
shall think good. And when the blacke is through drye
then maye you with a white wollen clothe or a knyfe
rubbe of all the saide letters wryten with the yelke of
the egge, and then the letters underneath will apeare
all white, because they were preserued with the saide li-
quo: So that you shall hane faire white letters in a
blacke fielde.

¶ To make staunche graine, or a poulder to
amende the parchment and to
receive Inke.

C.ij.

Slate

The arte of limming.

Take two partes of rosen & one parte of allome, and beat eche of them by hym selfe in a brasen morter all to powder, & put the same powders togeather in a fyne lynnien clothe & rub your bellym, parchment or paper therwith when you begin to write. And when the wri-ting is drye, you may rub it ouer againe with a whyte wollen cloth, and the letters wilbe never the worse, but moxe sayzer & brighter to see to.

To renewe olde & worne letters.

Take of þ best galles you can get & bruse them grossly then lay them to steepe one day in good whyte wine This done distill them with the wyne, and with the di-stilled water that commeth of them, you shal wet had-somly the olde letters with a little cotton or a small pēsel, & they will shewe we freше & newe again in suche wyse as you may easely reade the m.

To take grease out of parchment or paper.

Take shepes burres & burne them to powder and laye the saide powder on bothe sydes the parchement or pa-per betwene two paper boundes & preſſe them by þ ſpace of two dayes or more, and it wil! drye & ſoak out all the greafe.

To make red and greene ſcaling waxe.

Melt a pound of ware & two bneck of turpentynne toge-ther, & when they be well molten, take them from þ fyre & put to them an vnce of vermillion whilē it is luke-warme, & ſirre it well together in the heling, and then make it vp in rowles, and in like manner ſhal you make greene ware by putting vertgrefe into it. Note if you will take ii. partes of roſyn & one parte of turpentynne, adding to it Vermilio, as is aforesayd it maketh þ better ware.

The arte of limming. Fol xij.

¶ A pretie devise to take out the true forme & proportion of any letter, knott, flower, Image or other worke. Be it printed, drawen wⁱth a pen or pencell vpon paper or parchment wⁱthout rasing, blotting or hurting the right paterne or picture it selfe.

Take oyle, or other licours that make smoke & burn them in a lampe, then holde ouer the lamp a sheete of cleane paper, & blacke as much of the same lyghtyng as wil recaue the ful proportion of the worke that you do meane to take out, that done lay the blacked paper vnder the backe syde of the worke, the blacked syde upwarde, laying a thyn white paper betweene the worke & it: and with a small pencell made of harde wood or of bone you shall drawe lightly ouer the letters, knott, or worke which you desire to take out, pressing it softelye. Thus doing ye shal see the very forme & proportion of the same worke remaining on the thin white paper. Then with a small pen & ynke, you may trace & drawe ouer the wo^rke remaininge on the white paper, that done, the ynke will sett out the very print & forme of y^e worke (as farre as you touched the same with your pencell) in euery proportion. You may also for the same purpose (if neede bee) blacke ouer your paper with the lye of a kandle or of a lynke, or of a new torche, or such like - which is a very redy way and a perfect.

¶ Another pretie devise to take out the true forme and proportion of any flower Image or such like.

Take a cleane and thin lanterne horne, & lay it vpon the letter, Image or other wo^rke that thou wylle take out, and it will appeare through the horne, so as thou mayst drawe with a small pen vpon the horne

C iij. all

The arte of limming.

all the proportion of the woorke at thine owne pleasure, cuen as thou lust. And when thou hast drawne it all out, then let it drye vpon the horne in the sunne, and when it is through drye, then breath vpon it twylse or thryse, and then laye it downe vpon thy booke. And then presse it downe (the letters being next the paper) with a lynnien clothe, and the same letters or work shal remaine vpon the paper whiche thou didst drawe vpon the horne, then drawe it faire agayne with blacke Inke.
¶ Here haue I taught you (besydes the temperinge of gould, of siluer, and of colours) dyuers thinges, verye meete and necessarie to be knowne to paynters & scriueners. And nowe will I rehearse brieselye all that I haue written before touching lymming. First draw thy woorke with a pencell of blacke lead, and then with penne and Inke. Then lay thy syces for thy gould and siluer. Then ingrosse them wyth a sharpe knyfe, then wet them ouer lightly with thy pencell, then being dry burnish it with a tooth. Then wet thy size again lightly. Then touch thy gould and lay theron. Then presse it lightly with an Hares taile, then let it drye, then burnish it with a tooth, then rubbe it with a white wollen cloth or an Hares foote vntill all go of, but that which cleueth onto the size. Then lay thy colours: First thy false colours and after thy sadd, then purfle them about the sides with blacke Inke, then mayst thou diaper them ouer with whyte coloure if thou wilte, then vernishe them ouer wyth good old glaze, & then hast thou done all that belongeth to lymmyng. Finished
An domini

1573.

The

The names of all such colours & other
things, as are mentioned & contained in this
present book of lymning, and are for the moste
parte to besoide at the Poticaries.

Gouldfoyle	Booll Armoniacke	Milke of greene figges.
Syluer foyle.	Gumme Arabeck	Mylke of spurge
Shell gouldc	Galles	Milke of warte-
Shell siluer.	Greene coporas	weede
Azure.	Romayne rytrioll	Mylk of Salendyne
Byze	Rozan.	Ince of garlyke &
Indebauidias	Alam	of Onyon heads.
Smalt florrey.	V V axe.	Ince of Rewe
Orpyment	Hannye	Ince of red nettle,
Masticos	Turpentynne	Scraped Cheese
Vermelyon	Quicke siluer	V V bite wyne
Turnefoll.	Tynne.	V V bite V ineger.
Rosett	Pomegarnard pillz	Vergis
Brassyll	Christall stone	Chyldes pisse
Sinapor lake	Paragon stone	Lye
Sinapor copias	Chalke.	Oyles and liquors that make smoke.
Red lead.	Allabaster	Glouers shredes and shredes of newe parchement
Blache lead.	Playster of an olde Imaze.	V V ater & grease of snayles. Glue water.
Browne of Spayne	Vnslicke lyme.	Aquarite.
Okir de Luke.	Poulder of white bones.	Bengewyne.
Greene byze.	Poulder of shepes burres.	Oyle of lynseede
Vertgrefse.	Netes gall.	Oyle of walnuttres
Saffron	V V bytes of egges	Baysalse
Vennys Cerius	yelkes of egges.	
V V bite leade	Cowes mylke	
Fume blacke	Ewes milke.	
Blache ynke.		
Hartes borne. Gip- sum.		

A table

A table of suchie thinges as be contayned in this present booke.



The order of drawyng whyte leade.	cod
or tracing. folio 2 To make a fume blake called a	
To make a greunde bable. cod	
or a style to lay golde To make an excellent blacke like	
or siluer vpon eodem veluet. 7	
To make sylys other maner of To make a blacke colour or an	
waves cod ynde of a good per ecclio wher	
To laye syse on letters or vpon which you maye write wyth a	
other thinges cod pen or pencell. cod	
To lay gold or siluer on syse 3 The maner how to diaper or flo	
To make gume water to teper fish with a pencil ouer gold,	
colours withall cod siluer or colours 8	
To make glorys for the like pur- The waies how to make seddy	
pose cod kyndes of colours by tepering	
To kepe whites of egges es long & merginge of coloures toge- ther. cod	
as you wil without corrupting	
or puttinge of arsenicke vnto To make a kynd of colouringe	
them cod called penne sc. 9	
To temper gold or siluer wher- To make colours of all kyndes	
with you maye write w a pen of mettals cod	
or paint with a pencell. 4 To make letters of the colourc	
To temper Azure or byze cod of golde without gold. 10	
bothe to make Azure and byze To make letters of the colourc	
redder & gladder if they bee of of silver without siluer cod	
light colour. cod To make white letters in a black	
To temper Indebaldias cod field. cod	
To temper Smalie cod To make stranche graine or a	
To temper oppynement or masick poulder to amende the parch-	
for a yeilow ment, & co : ecclie yule. cod	
To temper Vermilion cod To renewe elde and noyne let-	
To temper turkisoyl cod ters cod	
To temper good Roset cod To take grease out of parchment	
To temper brasill wherwithal paper. cod	
white, 2cyls, & rule boches. cod To make red or greene scalinge	
To temper good Sinafor cod waxe. cod	
To temper red lead. 5 A pene deuyse to take out the	
To temper black lead cod true forme & preceyn of any	
To temper broun of Spayn cod letter, knotte, flowre, mage,	
To temper Dkry de Luke. cod & other woerke, bee it printed,	
To temper grene tyze. cod draff ne w a pen or pencell vpon	
To temper veitgrese called Spa- paper or parchment vbut ra-	
nish greene cod synge, blottinge or hurting the	
To temper Saffron. cod right paternes or picture it self.	
To temper Venyce Certus & fo. 11	

FINIS.

